ROAD TEST 2021 - TECHNICAL SPECIFICATIONS

		PANEL VAN	CHASSIS CAB + BODY
VEHICLE			
Make		Iveco	Iveco
Range		Daily	Daily
Model		50C15-V	70C15C
Specification date		2019/05	2016/05
DIMENSIONS			
Wheelbase	mm	4 100	4 750
Turning circle - curb to curb (radius)	mm	7 282	7 979
Internal body length, width & height	mm	4 680 x 1 740 x 1 900	5 350 x 2 200 x 2 146
Capacity	m^3	16	25
Overall length, width & height	mm	7 274 x 2 010 x 2 740	8 048 x 2 300 x 3 080
FUEL			
Fuel tank capacity	l	100	100
MASS			
Gross Vehicle Mass (GVM)	kg	5 400	7 200
Tare (excl. body for chassis cab) *	kg	2 563	2 418
* Litres of fuel included in tare	l	0	0
PERFORMANCE			
r/min @ 100 km/h in top gear	r/min	2 763	2 663
Gradeability at GVM	%	49	33
ENGINE			
Make		Iveco	Iveco
Model		F1C	F1C
Capacity	cm^3	2 998	2 998
Layout		Inline 4	Inline 4
Fuel injection system		High Pressure / Common Rail	High Pressure / Common Rail
Power @ r/min	kW	107.0 @ 2,700 - 3,500	107.0 @ 3,000 - 3,500
Torque @ r/min	Nm	350.0 @ 1,500 - 2,700	350.0 @ 1,400 - 2,600
Emissions standard		Euro 3	Euro 4
TRANSMISSION			
Make		Iveco	Iveco
Model		2840.6 OD	2840.6 OD
Type		Synchromesh	Synchromesh
Shift		Manual	Manual
No. of forward gears		6	6
First / top gear ratio	: 1	5.373 / 0.791	5.373 / 0.791
DRIVE AXLE			
Make		Iveco	Iveco
Reduction type		Single	Single
Final ratio	: 1	4,44	4,556
SUSPENSION			
Front		Quad tor	Quad tor
Rear		Parabolic springs	Semi elliptical
Shock absorbers		Front and rear	Front and rear
Stabilisers			Front and rear
BRAKES			
Front		Discs	Discs
Rear		Discs	Discs
TYRES			
Size and ply rating - front		195/75R16C	225/75R16
Size and ply rating - rear		195/75R16C	225/75R16

ROAD TEST 2021 - RESULTS

			PANEL VAN	CHASSIS CAB + BODY
VEHICLE				
Make			Iveco	Iveco
Range			50C15-V	70C15C
Model			Daily	Daily
PARAMETERS				
Odometer at start		km	2 844	38 270
Simulated & actual top speed		km/h	100	100
MASS				
Simulated vehicle unladen **		kg	2 807	3 883
Actual vehicle unladen **		kg	2 807	3 883
Simulated payload		kg	2 593	3 317
Actual Payload		kg	2 473	3 117
Simulated gross vehicle mass **		kg	5 400	7 200
Actual gross vehicle mass **		kg	5 280	7 000
** Includes fuel, driver and observer				
Ø SPEED FOR INDIVIDUAL LEGS				
Meyerton to Villiers:	Simulated	hh:mm	1:23	1:23
	Actual	hh:mm	1:18	1:18
Villiers to Harrismith:	Simulated	hh:mm	1:40	1:41
	Actual	hh:mm	1:42	1:42
Harrismith to Mooi River:	Simulated	hh:mm	1:54	1:59
	Actual	hh:mm	2:00	2:00
Mooi River to Cato Ridge:	Simulated	hh:mm	1:07	1:11
	Actual	hh:mm	1:28	1:29
Cato Ridge to Pinetown:	Simulated	hh:mm	0:25	0:28
	Actual	hh:mm	0:27	0:28
Pinetown to Mooi River:	Simulated	hh:mm	1:28	1:36
	Actual	hh:mm	1:40	1:40
Mooi River to Harrismith:	Simulated	hh:mm	1:52	1:59
	Actual	hh:mm	1:55	1:55
Harrismith to Villiers:	Simulated	hh:mm	1:43	1:45
	Actual	hh:mm	1:47	1:47
Villiers to Meyerton:	Simulated	hh:mm	1:16	1:18
	Actual	hh:mm	1:28	1:29
OVERALL RESULTS (1084.1 km)				
Simulated total time		hh:mm	12:24	12:55
Actual total time		hh:mm	13:48	13:53
Simulated Ø speed		km/h	87,4	84,0
Actual Ø speed		km/h	78,5	78,1
Simulated total fuel		ℓ	142,90	183,60
Actual total fuel		ℓ	125,94	165,01
Simulated Ø fuel consumption		ℓ/100 km	13,18	16,94
		km/ℓ	7,59	5,90
Actual Ø fuel consumption		ℓ/100 km	11,62	15,22
		km/ℓ	8,61	6,57
Simulated Payload Productivity *			17,2	16,4
Actual Payload Productivity *			16,7	16,0

* Payload Productivity Factor = Payload (tons) x Ø speed (km/h) / (Ø fuel consumption (ℓ/100km) + Ø AdBlue consumption (ℓ/100 km))

ROUTE & ALTITUDE PROFILE: JOHANNESBURG, MEYERTON TO DURBAN, PINETOWN ROUND TRIP (1 084.1 km)